

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:  
image forming means for forming an image;  
a first electrical substrate having an  
5 electric circuit for electric power supply to said  
image forming means;  
a second electrical substrate disposed above  
said first electrical substrate and having an electric  
circuit for electric power supply to said image  
10 forming means;  
an opening formed above said first electrical  
substrate in fluid communication with an ambient air;  
and  
a partition member for partitioning said  
15 first electrical substrate and said second electrical  
substrate and for forming an air flow path from said  
first electrical substrate to said opening.
2. An apparatus according to Claim 1, wherein  
20 between said first electrical substrate and said  
second electrical substrate, air is movable.
3. An apparatus according to Claim 1, wherein  
said partition member has a portion substantially  
25 inclined upward toward said opening.
4. An apparatus according to Claim 1, further

comprising a fan for directing heat from said first electrical substrate toward said partition member.

5        5. An apparatus according to Claim 1, further comprising a second opening, formed in a lower side of said first electrical substrate, for suction of the ambient air.

10       6. An apparatus according to Claim 1, wherein said first electrical substrate has an electric power supply circuit for supplying electric power to said image forming means.

15       7. An apparatus according to Claim 1, wherein said second electrical substrate has a circuit for sending a signal to said image forming means.

20       8. An apparatus according to Claim 1, further comprising a duct extending between said partition member and said second electrical substrate to exhausting heat from said image forming means to the ambient air.

25       9. An apparatus according to Claim 1, wherein partition member includes a heat insulation member.

10. An image forming apparatus comprising:

image forming means for forming an image;  
a first electrical substrate having an  
electric circuit for electric power supply to said  
image forming means;

5 a second electrical substrate disposed above  
said first electrical substrate and having an electric  
circuit for electric power supply to said image  
forming means;

10 an opening formed above said first electrical  
substrate in fluid communication with an ambient air;  
and

an air flow forming member for forming an air  
flow path for directing heat from said first  
electrical substrate toward said opening before said  
15 second electrical substrate.

11. An apparatus according to Claim 10, wherein  
between said first electrical substrate and said  
second electrical substrate, air is movable.

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12. An apparatus according to Claim 10, wherein  
said partition member has a portion substantially  
inclined upward toward said opening.

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13. An apparatus according to Claim 10, further  
comprising a fan for directing heat from said first  
electrical substrate toward said partition member.

14. An apparatus according to Claim 10, further comprising a second opening, formed in a lower side of said first electrical substrate, for suction of the ambient air.

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15. An apparatus according to Claim 10, wherein said first electrical substrate has an electric power supply circuit for supplying electric power to said image forming means.

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16. An apparatus according to Claim 10, wherein said second electrical substrate has a circuit for sending a signal to said image forming means.

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17. An apparatus according to Claim 10, further comprising a duct extending between said flow path forming means and said second electrical substrate to exhaust heat from said image forming means.

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18. An apparatus according to Claim 10, wherein partition member includes a heat insulation member.

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